

Specifications — DXP 44 SDI, DXP 88 SDI

Video

Routing

DXP 44 SDI.....	4 x 4 matrix
DXP 88 SDI.....	8 x 8 matrix
Data rates.....	143 Mbps, 177 Mbps, 270 Mbps, 360 Mbps
Auto data rate lock.....	Yes
Standard	SMPTE 259M
Data types.....	8 bit or 10 bit

Video input

Number/signal type

DXP 44 SDI.....	4 SDI serial digital video (8 or 10 bit SMPTE 259 M widescreen 16:9, component 4:2:2, and composite video) inputs, and 4 buffered loop-throughs
DXP 88 SDI.....	8 SDI serial digital video (8 or 10 bit SMPTE 259 M widescreen 16:9, component 4:2:2, and composite video), and 8 buffered loop-throughs

Connectors

DXP 44 SDI.....	4 female BNC for input, 4 female BNC for loop-through
DXP 88 SDI.....	8 female BNC for input, 8 female BNC for loop-through
Input cable equalization.....	1 to 300 m for data rates up to 270 Mbps 1 to 200 m for data rates up to 360 Mbps
Auto equalization.....	Yes
Input return loss.....	>15 dB, 5 MHz to 270 MHz
Recommended cable type.....	Extron SHR or equivalent
Impedance.....	75 ohm
External sync (genlock)	0.3 V to 0.4 Vp-p

Video output

Number/signal type

DXP 44 SDI.....	4 dual SDI serial digital video (SMPTE 259 M widescreen 16:9, component 4:2:2, and composite video)
DXP 88 SDI.....	8 dual SDI serial digital video (SMPTE 259 M widescreen 16:9, component 4:2:2, and composite video)

Connectors

DXP 44 SDI.....	4 x 2 female BNC
DXP 88 SDI.....	8 x 2 female BNC
Number of outputs per channel..	2 outputs per channel
Nominal level	0.8 V \pm 10%
Impedance.....	75 ohms
Return loss.....	>40 dB @ 5 MHz
DC offset.....	\pm 500 mV maximum with input at 0 offset
Jitter	<0.2 μ s p-p
DC offset (termin. @ 75 ohms)....	0.5 V (\pm)
Rise and fall time (20-80%)	0.6 ns = 100 ps

Control/remote — switcher

Serial control port.....	RS-232 or RS-422, female 9-pin D connector
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configuration ..	2 = TX, 3 = RX, 5 = GND
Program control.....	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

Specifications — DXP 44 SDI, DXP 88 SDI, cont'd

General

Power	100 VAC to 240 VAC, 50-60 Hz, 40 watts, internal
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Mounting	
Rack mount	Yes, with included mounting brackets, 1U high
Furniture mount	Yes, under- or through-furniture mounting with included brackets
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 9.5" D (1U high, full rack wide) 4.4 cm H x 44.4 cm W x 24.1 cm D (Depth excludes connectors. Width excludes rack ears.)
Product weight	4.9 lbs (2.2 kg)
Shipping weight	8 lbs (4 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES
Warranty	3 years parts and labor

NOTE All nominal levels are at ±10%.

NOTE Specifications are subject to change without notice.

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